

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	34	("4796699" "4856595" "4568932" "5273112" "5273113" "5293937" "5333686" "5355960" "5412568" "5490564" "5547029" "5666050" "5691712" "5811894" "5960883" "5995020" "6046685" "6182764" "4939745" "6624629" "4802115" "5524481" "4355310" "4604661" "6105688" "6798350" "6851444" "4787093" "4908804" "5201375" "5417295" "5767671" "6388577" "6760275" "4490095" "4540348" "4565496" "5006046" "5413175" "6035952" "4035023" "4036297" "4082147" "4374544" "4573532" "4575313" "4621496" "4791990" "4793178" "4877956").pn. and command and signal	US-PGPUB; USPAT	OR	ON	2006/10/12 15:36
L2	2	("5963138" "4051907").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/12 15:38
L3	3	("5963138" "4051907" "5412568").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/12 15:38
L4	0	(downhole same tool and autocorrelation and (well or (oil same well)) and controller and buffer and data and pressure).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/12 17:21
L5	2	(downhole same tool and autocorrelation and (well or (oil same well)) and controller and buffer and data and pressure)	US-PGPUB	OR	ON	2006/10/12 17:22

	U	1	Document ID	Issue Date	Pages
1	X	X	US 20050090985 A1	20050428	8
2	X		US 20020112855 A1	20020822	20

	Title	Current OR	Current XRef
1	Downhole tool controller using autocorrelation of command sequences	702/6	
2	Medium frequency pseudo noise geological radar	166/250.15	166/254.1; 166/313; 166/66; 324/323

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	34	("4796699" "4856595" "4568932" "5273112" "5273113" "5293937" "5333686" "5355960" "5412568" "5490564" "5547029" "5666050" "5691712" "5811894" "5960883" "5995020" "6046685" "6182764" "4939745" "6624629" "4802115" "5524481" "4355310" "4604661" "6105688" "6798350" "6851444" "4787093" "4908804" "5201375" "5417295" "5767671" "6388577" "6760275" "4490095" "4540348" "4565496" "5006046" "5413175" "6035952" "4035023" "4036297" "4082147" "4374544" "4573532" "4575313" "4621496" "4791990" "4793178" "4877956").pn. and command and signal	US-PGPUB; USPAT	OR	ON	2006/10/12 15:36
L2	2	("5963138" "4051907").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/12 15:38
L3	3	("5963138" "4051907" "5412568").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/12 15:38

	U	1	Document ID	Issue Date	Pages
1		X	US 5963138 A	19991005	8
2		X	US 5412568 A	19950502	25
3	X	X	US 4051907 A	19771004	8

	Title	Current OR	Current XRef
1	Apparatus and method for self adjusting downlink signal communication	340/679	175/40; 340/853.1; 340/853.3; 340/853.6; 367/43; 367/83
2	Remote programming of a downhole tool	702/6	166/250.01
3	Selective firing system	175/4.55	102/320; 361/248

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	0	controll\$3 same system and wellbore and mud same pulse same telemetry with priori	US-PGPUB; USPAT	OR	ON	2005/05/24 17:01
S3	5	controll\$3 same system and wellbore and mud same pulse same telemetry and priori	US-PGPUB; USPAT	OR	ON	2005/05/24 17:03
S4	0	controll\$3 same system and wellbore same mud same pulse same telemetry and priori	US-PGPUB; USPAT	OR	ON	2005/05/24 17:03
S5	56	controll\$3 same system and wellbore same mud same pulse same telemetry	US-PGPUB; USPAT	OR	ON	2005/05/24 17:03
S6	20	controll\$3 same system same wellbore same mud same pulse same telemetry	US-PGPUB; USPAT	OR	ON	2005/05/24 17:19
S7	0	autocorrelation same command same wellbore same mud same pulse same telemetry	US-PGPUB; USPAT	OR	ON	2005/05/24 17:20
S8	0	autocorrelation same command and wellbore and mud same pulse same telemetry	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/24 19:13
S9	0	autocorrelation and command and wellbore and mud same pulse same telemetry	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/24 17:21
S10	0	autocorrelation and control\$4 and wellbore and mud same pulse same telemetry	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/24 17:21
S11	2	auto same correlation and control\$4 and wellbore and mud same pulse same telemetry	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/24 17:26

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S12	1	pressure same pulse and auto same correlation and control\$4 and wellbore and mud same pulse same telemetry	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/24 17:26
S13	28	pressure same profile and controll\$3 same system and wellbore and mud same pulse same telemetry	US-PGPUB; USPAT	OR	ON	2005/05/25 10:54
S14	9	pressure same profile and correlat\$4 and controll\$3 same system and wellbore and mud same pulse same telemetry	US-PGPUB; USPAT	OR	ON	2005/05/25 13:45
S15	0	peforated and command same signal and pressure same profile and correlat\$4 and controll\$3 same system and wellbore and mud same pulse same telemetry	US-PGPUB; USPAT	OR	ON	2005/05/25 13:38
S16	0	peforated and command and signal and pressure same profile and correlat\$4 and controll\$3 same system and wellbore and mud same pulse same telemetry	US-PGPUB; USPAT	OR	ON	2006/05/24 19:13
S17	0	peforated and command and pressure same profile and correlat\$4 and controll\$3 same system and wellbore and mud same pulse same telemetry	US-PGPUB; USPAT	OR	ON	2005/05/25 13:38
S18	0	peforated and command and pressure and profile and correlat\$4 and controll\$3 same system and wellbore and mud same pulse same telemetry	US-PGPUB; USPAT	OR	ON	2005/05/25 13:38
S19	21	command and pressure and profile and correlat\$4 and controll\$3 same system and wellbore and mud same pulse same telemetry	US-PGPUB; USPAT	OR	ON	2005/05/25 13:39
S20	21	command and signal and pressure and profile and correlat\$4 and controll\$3 same system and wellbore and mud same pulse same telemetry	US-PGPUB; USPAT	OR	ON	2005/05/25 13:39
S21	19	command same signal and pressure and profile and correlat\$4 and controll\$3 same system and wellbore and mud same pulse same telemetry	US-PGPUB; USPAT	OR	ON	2005/05/25 13:39

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S22	9	pressure same profile and correlat\$4 and controll\$3 same system and wellbore and mud same pulse same telemetry	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/25 13:45
S23	9	pressure\$4 same profile\$3 and correlat\$4 and controll\$3 same system\$3 and wellbore\$3 and mud\$3 same pulse\$4 same telemetry\$4 and signal\$3 and control\$4 and command\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/25 14:05
S24	34	("3497019" "4430892" "4575261" "4662458" "4695957" "4761889" "4794534" "4805449" "4854397" "4903245" "4956921" "4972703" "5064006" "5163521" "5230387" "5250806" "5269383" "5318137" "5332048" "5341886" "5353873" "5358059" "5390748" "5394951" "5410303" "5419505" "5439064" "5467832" "5473158" "5490569" "5602541" "5678643" "5803185").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/25 13:47
S25	11	(borehole or (bore same tool) or downhole or (down same hole)) same tool and (autocorrelat\$4 or (auto same correlat\$4)) and command same sequenc\$4	US-PGPUB; USPAT	OR	ON	2005/05/25 14:09
S26	0	(borehole or (bore same tool) or downhole or (down same hole)) same tool and (autocorrelat\$4 or (auto same correlat\$4)) and command same sequenc\$4 and adj3priori	US-PGPUB; USPAT	OR	ON	2005/05/25 14:09
S27	1	(borehole or (bore same tool) or downhole or (down same hole)) same tool and (autocorrelat\$4 or (auto same correlat\$4)) and command same sequenc\$4 and priori	US-PGPUB; USPAT	OR	ON	2005/05/25 14:10
S28	11	(borehole or (bore same tool) or downhole or (down same hole)) same tool and (autocorrelat\$4 or (auto same correlat\$4)) and command same sequenc\$4	US-PGPUB; USPAT	OR	ON	2005/05/29 13:34

EAST Search History

S29	9	("3717844" "3878502" "3914732" "4051907" "4147222" "4281403" "4807200" "6002640" "6308137").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/25 14:36
S30	0	("3717844" "3878502" "3914732" "4051907" "4147222" "4281403" "4807200" "6002640" "6308137").PN. and priori	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/25 14:36
S31	1	("3717844" "3878502" "3914732" "4051907" "4147222" "4281403" "4807200" "6002640" "6308137").PN. and perfora\$4	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/25 14:36
S32	11	(borehole or (bore same tool) or downhole or (down same hole)) same tool and (autocorrelat\$4 or (auto same correlat\$4)) and command same sequenc\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/29 13:35
S33	12	"5621669"	US-PGPUB; USPAT	OR	ON	2006/04/13 12:31
S34	4	("5579283" "5343963" "5226494" "6885918").pn.	US-PGPUB; USPAT	OR	ON	2006/04/14 12:31
S35	18	control\$4 same (well or (oil same well)) and source and unknown same repeat\$3 same command same signal	US-PGPUB; USPAT	OR	ON	2006/05/24 19:11
S36	30	control\$4 same (well or (oil same well)) and source and unknown same repeat\$3 same command same signal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/24 18:13
S37	1	(well or (oil same well)) and unknown same repeat\$3 same command same signal and autocorrelation same command same sequences	US-PGPUB; USPAT	OR	ON	2006/05/24 16:04
S38	14	(well or (oil same well)) and command same signal and autocorrelation same command same sequences	US-PGPUB; USPAT	OR	ON	2006/05/24 16:05
S39	1	(well or (oil same well)) and command same signal and autocorrelation same command same sequences and pressure same fluctuation	US-PGPUB; USPAT	OR	ON	2006/05/24 16:05

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S40	1	(well or (oil same well)) and command same signal and autocorrelation same command same sequences and pressure and fluctuation	US-PGPUB; USPAT	OR	ON	2006/05/24 16:06
S41	1	(well or (oil same well)) and command and autocorrelation same command same sequences and pressure and fluctuation	US-PGPUB; USPAT	OR	ON	2006/05/24 19:16
S42	1	(well or (oil same well)) and autocorrelation same command same sequences and pressure and fluctuation	US-PGPUB; USPAT	OR	ON	2006/05/24 16:06
S43	1	(well or (oil same well)) and autocorrelation same command same sequences and pressure	US-PGPUB; USPAT	OR	ON	2006/05/24 16:06
S44	11	(well or (oil same well)) and autocorrelation same command same sequences and tim\$4 same repetition same sequence	US-PGPUB; USPAT	OR	ON	2006/05/24 16:07
S45	30	control\$4 same (well or (oil same well)) and source and unknown same repeat\$3 same command same signal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/24 19:12
S46	10	command and signal and pressure same profile and correlat\$4 and controll\$3 same system and wellbore and mud same pulse same telemetry	US-PGPUB; USPAT	OR	ON	2006/05/24 19:31
S47	0	autocorrelation same command and wellbore and mud same pulse	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/24 19:14
S48	0	autocorrelat\$4 same command and wellbore and mud same pulse	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/24 19:14
S49	0	autocorrelat\$4 same wellbore and mud same pulse	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/24 19:15

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S50	0	autocorrelat\$4 same wellbore same pulse and tool	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/24 19:16
S51	166	autocorrelat\$4 same pulse and tool	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/24 19:16
S52	3084579	(well or (oil same well)) autocorrelation same command same sequences and pressure and fluctuation	US-PGPUB; USPAT	OR	ON	2006/05/24 19:16
S53	1	(well or (oil same well)) and autocorrelation same command same sequences and pressure and fluctuation	US-PGPUB; USPAT	OR	ON	2006/05/24 19:19
S54	87	(well or (oil same well)) and ((auto same correlation) or autocorrelation) same (signal or sequence\$3) and pressure and fluctuation and tool	US-PGPUB; USPAT	OR	ON	2006/05/24 19:21
S55	24	(well or (oil same well)) and ((auto same correlation) or autocorrelation) same (signal or sequence\$3) and pressure and fluctuation and tool and flow and valve	US-PGPUB; USPAT	OR	ON	2006/05/24 19:21
S56	10	command and signal and pressure same profile and correlat\$4 and controll\$3 same system and wellbore and mud same pulse same telemetry	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/24 19:32

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S57	50	("4796699" "4856595" "4568932" "5273112" "5273113" "5293937" "5333686" "5355960" "5412568" "5490564" "5547029" "5666050" "5691712" "5811894" "5960883" "5995020" "6046685" "6182764" "4939745" "6624629" "4802115" "5524481" "4355310" "4604661" "6105688" "6798350" "6851444" "4787093" "4908804" "5201375" "5417295" "5767671" "6388577" "6760275" "4490095" "4540348" "4565496" "5006046" "5413175" "6035952" "4035023" "4036297" "4082147" "4374544" "4573532" "4575313" "4621496" "4791990" "4793178" "4877956").pn.	US-PGPUB; USPAT	OR	ON	2006/05/31 16:45
S58	59875	(borehole or (bore same tool)) or (downhole or (down same hole)) same tool and (autocorrelat\$4 or (auto same correlat\$4)) and command same sequenc\$4 and priori	US-PGPUB; USPAT	OR	ON	2006/05/26 14:42
S59	1	((borehole or (bore same tool)) or (downhole or (down same hole)) same tool) and (autocorrelat\$4 or (auto same correlat\$4)) and command same sequenc\$4 and priori	US-PGPUB; USPAT	OR	ON	2006/05/26 14:42
S60	13	((borehole or (bore same tool)) or (downhole or (down same hole)) same tool) and (autocorrelat\$4 or (auto same correlat\$4)) and command same sequenc\$4	US-PGPUB; USPAT	OR	ON	2006/05/26 15:05
S61	13	((borehole or (bore same tool)) or (downhole or (down same hole)) same tool) and (autocorrelat\$4 or (auto same correlat\$4)) and command same sequenc\$4 and source	US-PGPUB; USPAT	OR	ON	2006/05/26 15:14
S62	7	((borehole or (bore same tool)) or (downhole or (down same hole)) same tool) and (autocorrelat\$4 or (auto same correlat\$4)) and command same sequenc\$4 and source and controller	US-PGPUB; USPAT	OR	ON	2006/05/26 15:06
S63	7	((borehole or (bore same tool)) or (downhole or (down same hole)) same tool) and (autocorrelat\$4 or (auto same correlat\$4)) and command same sequenc\$4 and source and controller and repeat\$4	US-PGPUB; USPAT	OR	ON	2006/05/26 15:06

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S64	7	((borehole or (bore same tool)) or (downhole or (down same hole)) same tool) and (autocorrelat\$4 or (auto same correlat\$4)) and command same sequenc\$4 and source and controller and repeat\$4 and signal\$4	US-PGPUB; USPAT	OR	ON	2006/05/26 15:08
S65	5	((borehole or (bore same tool)) or (downhole or (down same hole)) same tool) and (autocorrelat\$4 or (auto same correlat\$4)) and command same sequenc\$4 and source and controller and repeat\$4 same signal\$4	US-PGPUB; USPAT	OR	ON	2006/05/26 15:07
S66	5	((borehole or (bore same tool)) or (downhole or (down same hole)) same tool) and (autocorrelat\$4 or (auto same correlat\$4)) and command same sequenc\$4 and source and controller and repeat\$4 near signal\$4	US-PGPUB; USPAT	OR	ON	2006/05/26 15:07
S67	7	((borehole or (bore same tool)) or (downhole or (down same hole)) same tool) and (autocorrelat\$4 or (auto same correlat\$4)) and command same sequenc\$4 and source and controller and repeat\$4 and signal\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/26 15:08
S68	13	((borehole or (bore same tool)) or (downhole or (down same hole)) same tool) and (autocorrelat\$4 or (auto same correlat\$4)) and command same sequenc\$4 and source	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 14:25
S69	13	((borehole or (bore same tool)) or (downhole or (down same hole)) same tool) and (autocorrelat\$4 or (auto same correlat\$4)) and command same sequenc\$4 and source	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 16:09
S70	280	controll\$3 same system and wellbore and mud same pulse same telemetry	US-PGPUB; USPAT	OR	ON	2006/05/31 14:36
S71	280	controll\$3 same system and wellbore and mud same pulse same telemetry	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 14:36

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S72	128	well same controll\$4 and repeat\$3 same command same signal and unknown same controll\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 14:46
S73	1	("4796699" "4856595" "4568932" "5273112" "5273113" "5293937" "5333686" "5355960" "5412568" "5490564" "5547029" "5666050" "5691712" "5811894" "5960883" "5995020" "6046685" "6182764" "4939745" "6624629" "4802115" "5524481" "4355310" "4604661" "6105688" "6798350" "6851444" "4787093" "4908804" "5201375" "5417295" "5767671" "6388577" "6760275" "4490095" "4540348" "4565496" "5006046" "5413175" "6035952" "4035023" "4036297" "4082147" "4374544" "4573532" "4575313" "4621496" "4791990" "4793178" "4877956").pn. and autocorrelat\$5 and signal\$3 and command	US-PGPUB; USPAT	OR	ON	2006/05/31 16:47
S74	1	("4796699" "4856595" "4568932" "5273112" "5273113" "5293937" "5333686" "5355960" "5412568" "5490564" "5547029" "5666050" "5691712" "5811894" "5960883" "5995020" "6046685" "6182764" "4939745" "6624629" "4802115" "5524481" "4355310" "4604661" "6105688" "6798350" "6851444" "4787093" "4908804" "5201375" "5417295" "5767671" "6388577" "6760275" "4490095" "4540348" "4565496" "5006046" "5413175" "6035952" "4035023" "4036297" "4082147" "4374544" "4573532" "4575313" "4621496" "4791990" "4793178" "4877956").pn. and autocorrelat\$5 and signal\$3	US-PGPUB; USPAT	OR	ON	2006/05/31 16:48

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S75	1	("4796699" "4856595" "4568932" "5273112" "5273113" "5293937" "5333686" "5355960" "5412568" "5490564" "5547029" "5666050" "5691712" "5811894" "5960883" "5995020" "6046685" "6182764" "4939745" "6624629" "4802115" "5524481" "4355310" "4604661" "6105688" "6798350" "6851444" "4787093" "4908804" "5201375" "5417295" "5767671" "6388577" "6760275" "4490095" "4540348" "4565496" "5006046" "5413175" "6035952" "4035023" "4036297" "4082147" "4374544" "4573532" "4575313" "4621496" "4791990" "4793178" "4877956").pn. and autocorrelat\$6 and signal\$3	US-PGPUB; USPAT	OR	ON	2006/05/31 16:48
S76	1	("4796699" "4856595" "4568932" "5273112" "5273113" "5293937" "5333686" "5355960" "5412568" "5490564" "5547029" "5666050" "5691712" "5811894" "5960883" "5995020" "6046685" "6182764" "4939745" "6624629" "4802115" "5524481" "4355310" "4604661" "6105688" "6798350" "6851444" "4787093" "4908804" "5201375" "5417295" "5767671" "6388577" "6760275" "4490095" "4540348" "4565496" "5006046" "5413175" "6035952" "4035023" "4036297" "4082147" "4374544" "4573532" "4575313" "4621496" "4791990" "4793178" "4877956").pn. and autocorrelat\$6	US-PGPUB; USPAT	OR	ON	2006/05/31 16:48

EAST Search History

S77	1	("4796699" "4856595" "4568932" "5273112" "5273113" "5293937" "5333686" "5355960" "5412568" "5490564" "5547029" "5666050" "5691712" "5811894" "5960883" "5995020" "6046685" "6182764" "4939745" "6624629" "4802115" "5524481" "4355310" "4604661" "6105688" "6798350" "6851444" "4787093" "4908804" "5201375" "5417295" "5767671" "6388577" "6760275" "4490095" "4540348" "4565496" "5006046" "5413175" "6035952" "4035023" "4036297" "4082147" "4374544" "4573532" "4575313" "4621496" "4791990" "4793178" "4877956").pn. and (autocorrelat\$6 or (auto same correlat\$6))	US-PGPUB; USPAT	OR	ON	2006/05/31 16:49
S78	1	("4796699" "4856595" "4568932" "5273112" "5273113" "5293937" "5333686" "5355960" "5412568" "5490564" "5547029" "5666050" "5691712" "5811894" "5960883" "5995020" "6046685" "6182764" "4939745" "6624629" "4802115" "5524481" "4355310" "4604661" "6105688" "6798350" "6851444" "4787093" "4908804" "5201375" "5417295" "5767671" "6388577" "6760275" "4490095" "4540348" "4565496" "5006046" "5413175" "6035952" "4035023" "4036297" "4082147" "4374544" "4573532" "4575313" "4621496" "4791990" "4793178" "4877956").pn. and (autocorrelat\$6 or (auto same correlat\$6))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 17:18
S79	3	("4403331" "4685132" "4872200").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/31 17:16

EAST Search History

S80	24	("4796699" "4856595" "4568932" "5273112" "5273113" "5293937" "5333686" "5355960" "5412568" "5490564" "5547029" "5666050" "5691712" "5811894" "5960883" "5995020" "6046685" "6182764" "4939745" "6624629" "4802115" "5524481" "4355310" "4604661" "6105688" "6798350" "6851444" "4787093" "4908804" "5201375" "5417295" "5767671" "6388577" "6760275" "4490095" "4540348" "4565496" "5006046" "5413175" "6035952" "4035023" "4036297" "4082147" "4374544" "4573532" "4575313" "4621496" "4791990" "4793178" "4877956").pn. and (well or (oil same well)) and controll\$5 and source and command same signal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 12:36
S81	2	("4796699" "4856595" "4568932" "5273112" "5273113" "5293937" "5333686" "5355960" "5412568" "5490564" "5547029" "5666050" "5691712" "5811894" "5960883" "5995020" "6046685" "6182764" "4939745" "6624629" "4802115" "5524481" "4355310" "4604661" "6105688" "6798350" "6851444" "4787093" "4908804" "5201375" "5417295" "5767671" "6388577" "6760275" "4490095" "4540348" "4565496" "5006046" "5413175" "6035952" "4035023" "4036297" "4082147" "4374544" "4573532" "4575313" "4621496" "4791990" "4793178" "4877956").pn. and (well or (oil same well)) and controll\$5 and source and command same signal and buffer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 15:55
S82	114	t/2 and time and (well or (oil same well)) and controll\$5 and source and command same signal and buffer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 15:56
S83	38	t/2 and time and (well or (oil same well)) and controll\$5 and source and command same signal and buffer same store\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 15:56

EAST Search History

S84	17	t/2 and time and (well or (oil same well)) and control\$5 and source and command same signal and buffer same store\$3 and shift same data	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 15:58
S85	1	t/2 and (well or (oil same well)) and control\$5 and signal same source and command and buffer and shift same data and pressure same sample	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 16:00
S86	4	t/2 and (well or (oil same well)) and control\$5 and signal same source and command and buffer and shift same data and pressure and sample	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 16:02
S87	1	t/2 and (well or (oil same well)) and control\$5 and source and command and buffer same data same shift and pressure and sample	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 16:03
S88	4	t/2 and (well or (oil same well)) and control\$5 and buffer same data same shift and pressure and sample	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 16:05
S89	697	(well or (oil same well)) and control\$5 and buffer same data same shift and pressure and sample	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 16:05
S90	109	(well or (oil same well)) and control\$5 and buffer same data same shift and pressure same sample	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 16:05
S91	48	(well or (oil same well)) same control\$5 and buffer same data same shift and pressure same sample	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/05 13:55

EAST Search History

S93	6	autocorrelation and (well or (oil same well)) same control\$5 and buffer and data same shift and pressure same sample	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 16:28
S94	1	downhole same tool and autocorrelation and (well or (oil same well)) same control\$5 and buffer and data same shift and pressure same sample	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 16:29
S95	1	downhole same tool and autocorrelation and (well or (oil same well)) and control\$5 and buffer and data same shift and pressure same sample	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 16:29
S96	1	downhole same tool and autocorrelation and (well or (oil same well)) and controller and buffer and data and pressure same sample	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 16:29
S97	5	downhole same tool and autocorrelation and (well or (oil same well)) and controller and buffer and data and pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 17:17
S98	170	("4554975" "4782910" "4231112" "4282588" "4971160" "4166979" "5050675" "5592438")	US-PGPUB; USPAT	OR	ON	2006/06/01 17:18
S99	8	("4554975" "4782910" "4231112" "4282588" "4971160" "4166979" "5050675" "5592438").pn.	US-PGPUB; USPAT	OR	ON	2006/06/01 17:18
S100	14	("3411090" "3557308" "3603890" "3742443" "3746994" "3746997" "3757244" "3787775" "3865981" "3878334" "3886495" "3906376" "3936604").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/01 17:33

EAST Search History

S10 1	50	("4796699" "4856595" "4568932" "5273112" "5273113" "5293937" "5333686" "5355960" "5412568" "5490564" "5547029" "5666050" "5691712" "5811894" "5960883" "5995020" "6046685" "6182764" "4939745" "6624629" "4802115" "5524481" "4355310" "4604661" "6105688" "6798350" "6851444" "4787093" "4908804" "5201375" "5417295" "5767671" "6388577" "6760275" "4490095" "4540348" "4565496" "5006046" "5413175" "6035952" "4035023" "4036297" "4082147" "4374544" "4573532" "4575313" "4621496" "4791990" "4793178" "4877956").pn.	US-PGPUB; USPAT	OR	ON	2006/06/05 11:08
S10 2	1	("4796699" "4856595" "4568932" "5273112" "5273113" "5293937" "5333686" "5355960" "5412568" "5490564" "5547029" "5666050" "5691712" "5811894" "5960883" "5995020" "6046685" "6182764" "4939745" "6624629" "4802115" "5524481" "4355310" "4604661" "6105688" "6798350" "6851444" "4787093" "4908804" "5201375" "5417295" "5767671" "6388577" "6760275" "4490095" "4540348" "4565496" "5006046" "5413175" "6035952" "4035023" "4036297" "4082147" "4374544" "4573532" "4575313" "4621496" "4791990" "4793178" "4877956").pn. and (autocorrelat\$4 or (auto same correlat\$4)) and command and signal	US-PGPUB; USPAT	OR	ON	2006/06/05 11:11

EAST Search History

S10 3	1	("4796699" "4856595" "4568932" "5273112" "5273113" "5293937" "5333686" "5355960" "5412568" "5490564" "5547029" "5666050" "5691712" "5811894" "5960883" "5995020" "6046685" "6182764" "4939745" "6624629" "4802115" "5524481" "4355310" "4604661" "6105688" "6798350" "6851444" "4787093" "4908804" "5201375" "5417295" "5767671" "6388577" "6760275" "4490095" "4540348" "4565496" "5006046" "5413175" "6035952" "4035023" "4036297" "4082147" "4374544" "4573532" "4575313" "4621496" "4791990" "4793178" "4877956").pn. and (autocorrelat\$4 or (auto same correlat\$4)) and command	US-PGPUB; USPAT	OR	ON	2006/06/05 11:10
S10 4	1	("4796699" "4856595" "4568932" "5273112" "5273113" "5293937" "5333686" "5355960" "5412568" "5490564" "5547029" "5666050" "5691712" "5811894" "5960883" "5995020" "6046685" "6182764" "4939745" "6624629" "4802115" "5524481" "4355310" "4604661" "6105688" "6798350" "6851444" "4787093" "4908804" "5201375" "5417295" "5767671" "6388577" "6760275" "4490095" "4540348" "4565496" "5006046" "5413175" "6035952" "4035023" "4036297" "4082147" "4374544" "4573532" "4575313" "4621496" "4791990" "4793178" "4877956").pn. and (autocorrelat\$4 or (auto same correlat\$4))	US-PGPUB; USPAT	OR	ON	2006/06/05 11:11

EAST Search History

S10 5	6	("4796699" "4856595" "4568932" "5273112" "5273113" "5293937" "5333686" "5355960" "5412568" "5490564" "5547029" "5666050" "5691712" "5811894" "5960883" "5995020" "6046685" "6182764" "4939745" "6624629" "4802115" "5524481" "4355310" "4604661" "6105688" "6798350" "6851444" "4787093" "4908804" "5201375" "5417295" "5767671" "6388577" "6760275" "4490095" "4540348" "4565496" "5006046" "5413175" "6035952" "4035023" "4036297" "4082147" "4374544" "4573532" "4575313" "4621496" "4791990" "4793178" "4877956").pn. and (correlat\$4) and command and signal	US-PGPUB; USPAT	OR	ON	2006/06/05 11:23
S10 6	7	("3316997" "3915256" "4318674" "4389164" "4408676" "4689744").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/05 11:16
S10 7	34	("4796699" "4856595" "4568932" "5273112" "5273113" "5293937" "5333686" "5355960" "5412568" "5490564" "5547029" "5666050" "5691712" "5811894" "5960883" "5995020" "6046685" "6182764" "4939745" "6624629" "4802115" "5524481" "4355310" "4604661" "6105688" "6798350" "6851444" "4787093" "4908804" "5201375" "5417295" "5767671" "6388577" "6760275" "4490095" "4540348" "4565496" "5006046" "5413175" "6035952" "4035023" "4036297" "4082147" "4374544" "4573532" "4575313" "4621496" "4791990" "4793178" "4877956").pn. and command and signal	US-PGPUB; USPAT	OR	ON	2006/06/05 11:24

EAST Search History

S10 8	18	("4796699" "4856595" "4568932" "5273112" "5273113" "5293937" "5333686" "5355960" "5412568" "5490564" "5547029" "5666050" "5691712" "5811894" "5960883" "5995020" "6046685" "6182764" "4939745" "6624629" "4802115" "5524481" "4355310" "4604661" "6105688" "6798350" "6851444" "4787093" "4908804" "5201375" "5417295" "5767671" "6388577" "6760275" "4490095" "4540348" "4565496" "5006046" "5413175" "6035952" "4035023" "4036297" "4082147" "4374544" "4573532" "4575313" "4621496" "4791990" "4793178" "4877956").pn. and command and signal and repeat\$3	US-PGPUB; USPAT	OR	ON	2006/06/05 13:00
S10 9	12	("3856085" "4113012" "4375239" "4636934" "4711305" "4796699" "4856595" "4896722" "4915168" "4916648" "5101907" "5222049").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/05 11:42
S11 0	5	well and perforat\$3 same tool and correlation same coefficient and controller same command same signal	US-PGPUB; USPAT	OR	ON	2006/06/05 13:02
S11 1	69697	edge same tool	US-PGPUB; USPAT	OR	ON	2006/06/05 13:55
S11 2	8120	well same edge same tool	US-PGPUB; USPAT	OR	ON	2006/06/05 13:56
S11 3	19	well same edge same tool and correlation same coefficient	US-PGPUB; USPAT	OR	ON	2006/06/05 13:57
S11 5	0	perforat\$3 same well same edge same tool and correlation same coefficient	US-PGPUB; USPAT	OR	ON	2006/06/05 13:58
S11 6	10	perforat\$3 same well same tool and correlation same coefficient	US-PGPUB; USPAT	OR	ON	2006/06/05 13:58
S11 7	2	autocorrelation and (well or (oil same well)) same controll\$5 and buffer same data same shift and pressure same sample	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 16:35